

IN THE CLAIMS:

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16. (Canceled)
17. (Currently Amended) An identification label with a transponder unit for surface mounting on or mounting around an object, the label having a multi layered structure comprising:

an identification layer for optical marking;

5 a reinforcement layer for mechanical stabilization of the identification layer, said reinforcement layer forming a substrate with the transponder unit arranged thereon;

a reinforcing carrier layer carrying the identification layer, said reinforcing carrier layer forming a substrate with the transponder unit arranged therein, the transponder unit including a chip and an antenna coil arranged on said reinforcement reinforcing carrier layer; and

10 an adhesion layer for mounting the identification label on the object, said identification layer, said reinforcement reinforcing carrier layer and said adhesion layer forming a closed layer compound, each of said identification layer, said reinforcement reinforcing carrier layer and said adhesion layer being separate layers arranged on top of one another.

18. (Currently Amended) An identification label according to claim 17, further comprising a boundary layer formed between said reinforcement reinforcing carrier layer and said adhesion layer wherein the transponder unit extends into said boundary layer.

19. (Currently Amended) An identification label according to claim 17, wherein said adhesion layer is covered with a deadening layer and said reinforcement reinforcing carrier layer is provided with a reinforcement device for mounting the identification label onto the object.

20. (Currently Amended) A base unit as a semi-finished product for producing an

identification label with a transponder unit for surface mounting on or for mounting around an object, the base unit comprising:

5 a reinforcement reinforcing carrier layer carrying the identification label; and

an adhesion layer; and

10 a boundary layer formed between the reinforcement reinforcing carrier layer and the adhesion layer, the reinforcement reinforcing carrier layer serving as a substrate for arranging the transponder unit in the boundary layer, the transponder unit including a chip unit and an antenna coil and said boundary layer, said reinforcement reinforcing carrier layer and said adhesion layer forming a closed layered composite structure, each of said boundary layer, said reinforcement reinforcing carrier layer and said adhesion layer being separate layers arranged on top of one another.

21. (Currently Amended) A base unit according to claim 20, wherein the said chip unit contacts said antenna coil made of wire and the reinforcement reinforcing carrier layer is provided with a window opening for at least proportionally accepting the chip unit and the antenna coil.

22. (Currently Amended) A base unit according to claim 21, wherein the reinforcement reinforcing carrier layer is provided with additional window openings for accessing contact regions of the chip unit.

23. (Currently Amended) A base unit according to claim 21, wherein the chip unit is at least partially surrounded by a reinforcement device surrounding the chip unit and extending in the plane of the reinforcement reinforcing carrier layer.

24. (Currently Amended) A base unit according to claim 21, wherein the antenna coil is positioned on the reinforcement reinforcing carrier layer and is covered by the adhesion layer, forming a plane adhesion surface.

25. (Currently Amended) A base unit according to claim 21, wherein the antenna coil is at least proportionally embedded in the reinforcement reinforcing carrier layer and is covered by the adhesion layer, forming a plane adhesion surface.

26. (Original) A base unit according to claim 20, wherein the adhesion surface of the adhesion layer is covered by a deadening layer.

27. (Currently Amended) A base unit according to claim 26, wherein the deadening layer is embodied by a clear surface of the reinforcement reinforcing carrier layer of an additional base unit.

28. (Currently Amended) A process for producing an identification label with a transponder unit for surface mounting on or mounting around an object, comprising:

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providing a base unit with a reinforcement reinforcing carrier layer, an adhesion layer and a boundary layer formed between the reinforcement reinforcing carrier layer and the adhesion layer with the reinforcement reinforcing carrier layer serving as a substrate for arranging the transponder unit in the boundary layer, the transponder unit including a chip and an antenna coil arranged entirely on the reinforcement reinforcing carrier layer;

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applying an identification layer onto the base unit, the identification layer, the reinforcement reinforcing carrier layer and the adhesion layer forming a closed layered composite structure, each of the identification layer, the reinforcement reinforcing carrier layer and said adhesion layer being separate layers arranged on top of one another.

29. (Currently Amended) A process according to claim 28, wherein a second carrier layer is applied onto the base unit prior to applying the identification layer for forming an intermediate layer.

30. (Currently Amended) A process according to claim 29 wherein a permanent adhesion layer is applied onto the base unit, the identification layer, or the second carrier layer in order to be mounted between the base unit and the identification layer or the second carrier layer.

31. (Currently Amended) A process according to claim 28, wherein an additional adhesion layer is applied onto the base unit, the identification layer, or the second carrier layer

in order to be mounted between the base unit and the identification layer or the second carrier layer.

32. (Original) A process according to claim 28, wherein the coding of the identification layer and the coding of the transponder unit occur in a common coding process.

33. (Currently Amended) A process according to claim 28, wherein the transponder unit is disposed in its entirety on said reinforcement reinforcing carrier layer.

34. (Currently Amended) An identification label according to claim 17, wherein the transponder unit is disposed in its entirety on said reinforcement reinforcing carrier layer.

35. (Currently Amended) A base unit according to claim 20, wherein the transponder unit is disposed in its entirety on said reinforcement reinforcing carrier layer.